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NOTICE OF ALLOWANCE AND FEE(S) DUE

21874

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10/01/2008

EDWARDS ANGELL PALMER & DODGE LLP P.O. BOX 55874 BOSTON, MA 02205

EXAMINER		
JIANG, DONG		
ART UNIT	PAPER NUMBER	
1646		

DATE MAILED: 10/01/2008

APPLICATION NO	. FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/555,074	10/28/2005	Kazuhisa Sugimura	64395(70904)	3084

TITLE OF INVENTION: HUMAN ANTI-HUMAN INTERLEUKIN-18 ANTIBODY, FRAGMENT THEREOF AND METHOD FOR USING SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	01/02/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/555,074	10/28/2005	Kazuhisa Sugimura	64395(70904)	3084
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P.O. BOX 55874 BOSTON, MA 02205		ART UNIT	PAPER NUMBER	
			1646	
			DATE MAILED: 10/01/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 173 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 173 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/555 074	CHCIMUDA ET AL	
Notice of Allowability	10/555,074 Examiner	SUGIMURA ET AL. Art Unit	
·	DONG HANG	1010	
	DONG JIANG	1646	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in (i) or other appropriate common results. This application is	n this application. If not included unication will be mailed in due course. Th	
1. \boxtimes This communication is responsive to <u>amendment filed on</u>	<u>6/24/08</u> .		
2. X The allowed claim(s) is/are <u>1-3, 7-14, 16, 25-27, 29, 31, 3</u> <u>14, 7, 19, 20, 22, 18, 8, 9, 25, 27, 24, 23, 26 and 28</u> .	2, 35, 36 and 40-47 to issue	as claims 1-3, 10, 11, 15-17, 4, 5, 21, 6,	<u>12-</u>
 3. Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the priority documents have 4. Copies of the priority documents have	re been received. re been received in Application occuments have been received. re of this communication to file MENT of this application. rest be submitted. reson's Patent Drawing Revieus Amendment / Comment of the header according to 37 Cosit of BIOLOGICAL MAT	on No Indicate the distribution of the drawings in the front (not the back) of FR 1.121(d). Edit of the distribution of the drawings in the front (not the back) of FR 1.121(d). ERIAL must be submitted. Note the	3
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview S Paper No 7. ☑ Examiner's —	nformal Patent Application Summary (PTO-413), /Mail Date s Amendment/Comment s Statement of Reasons for Allowance	

EXAMINER'S AMENDMENT

Applicant's amendment filed on 24 June 2008 is acknowledged and entered. Following the amendment, claims 33, 34 and 37-39 are canceled, claims 7-14, 25-27, 31, 32, 35, 36, 42 and 43 are amended, and the new claims 44-47 are added.

Currently, claims 1-3, 7-14, 16, 25-27, 29, 31, 32, 35, 36 and 40-47 are pending and under consideration.

Withdrawal of Objections and Rejections:

All objections and rejections of claims 33, 34 and 37-39 are moot as the applicant has canceled the claims.

The rejection of claim 10 under 35 U.S.C. 101, for being directed to non-statutory subject matter is withdrawn in view of applicant's amendment.

The rejection of claims 13, 14, 27, 29, 35 and 40-43 under 35 U.S.C. 112, second paragraph, as being indefinite is withdrawn in view of applicant's amendment.

The lack of written description rejection of claims 7-13, 16, 25-27, 29, 31, 32, 36, 40 and 41 under 35 U.S.C. 112, first paragraph are withdrawn in view of applicant's amendment.

The prior art rejection of claims 12, 16, 29, 40 and 41 under 35 U.S.C. 102(b) as being anticipated by Ghayur et al. (WO 01/589565) is withdrawn in view of applicant's amendment.

The prior art rejection of claim 13 under 35 U.S.C. 103(a) as being unpatentable over Ghayur et al. (WO 01/589565 A2) is withdrawn in view of applicant's amendment.

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

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Authorization for this examiner's amendment was given in a telephone interview with Jonathan Sparks on 24 September 2008.

The application has been amended as follows:

Claim 2: line 2, the words "an amino-acid" have been replaced by -- the amino-acid --; and in line 4, the words "an amino-acid" have been replaced by -- the amino-acid --.

Claim 3: line 2, the words "an amino-acid" have been replaced by -- the amino-acid --; and in line 4, the words "an amino-acid" have been replaced by -- the amino-acid --.

Claim 8: line 2, "1 or 7" has been replaced by -- 1 and 7 --.

Claim 12: line 2, the words "or 37-39" have been deleted.

Claim 13: line 2, the word -- comprising -- has been added after "a test sample".

Claim 14: the content has been replaced by the following:

-- 14. A method for diagnosing an immunological disease associated with increased IL-18 comprising: measuring the amount of human interleukin-18 contained in a test sample by using a human antibody comprising:

human immunoglobulin VH-chain CDR1, CDR2, and CDR3 of a polypeptide consisting of amino-acid sequences represented by SEQ ID NOS: 4, 5, and 6, respectively; and

human immunoglobulin VL-chain CDR1, CDR2, and CDR3 of a peptide consisting of amino-acid sequences represented by SEQ ID NOS: 10, 11, and 12, respectively. --

Claim 16: line 3, the words "or 37-39" have been deleted.

Claim 29: the content has been replaced by the following:

-- 29. The human interleukin-18 activity inhibitor according to Claim 16, which is used for treating an immunological disease associated with increased IL-18. --

Claim 31: line 3, the words "an amino-acid" have been replaced by -- the amino-acid --; and in line 5, the words "an amino-acid" have been replaced by -- the amino-acid --.

Claim 32: line 3, the words "an amino-acid" have been replaced by -- the amino-acid --; and in line 4, the words "an amino-acid" have been replaced by -- the amino-acid --.

Claim 35: the content has been replaced by the following:

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-- 35. The method according to claim 14, wherein the antibody is a human antihuman interleukin-18 antibody having (1) binding activity to human interleukin-18 and (2) inhibitory activity for human interleukin-18. --

Claim 36: the content has been replaced by the following:

-- 36. The isolated cDNA according to claim 7, wherein the cDNA encodes a human anti-human interleukin-18 antibody having (1) binding activity to human interleukin-18 and (2) inhibitory activity for human interleukin-18. --

Claim 40: line 2, the words "cytokines produced" have been replaced by -- cytokine production --.

Claim 42: the content has been replaced by the following:

- -- 42. A method for diagnosing an immunological disease associated with increased IL-18, comprising measuring the amount of human interleukin-18 contained in a test sample by using a human antibody comprising:
- a polypeptide consisting of the amino-acid sequence represented by SEQ ID NO: 3; and
- a polypeptide consisting of the amino-acid sequence represented by SEQ ID NO: 9.

Claim 43: the content has been replaced by the following:

-- 43. A method for diagnosing an immunological disease associated with increased IL-18, comprising measuring the amount of human interleukin-18 contained in a test sample by using a human antibody comprising: a ligation of a polypeptide consisting of the amino-acid sequence represented by SEQ ID NO: 3 and a polypeptide consisting of the amino-acid sequence represented by SEQ ID NO: 9. --

Conclusion:

Claims 1-3, 7-14, 16, 25-27, 29, 31, 32, 35, 36 and 40-47 are allowed.

The allowed claims 1-3, 7-14, 16, 25-27, 29, 31, 32, 35, 36 and 40-47 have been renumbered for issuance as the following:

Current claim number

1

Issuance number

1

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Advisory Information

Any inquiry concerning this communication should be directed to Dong Jiang whose telephone number is 571-272-0872. The examiner can normally be reached on Monday - Friday

from 9:30 AM to 7:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Gary Nickol, can be reached on 571-272-0835. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dong Jiang/, Ph.D. Primary Examiner, Art Unit 1646 9/24/08